

FIG. 1

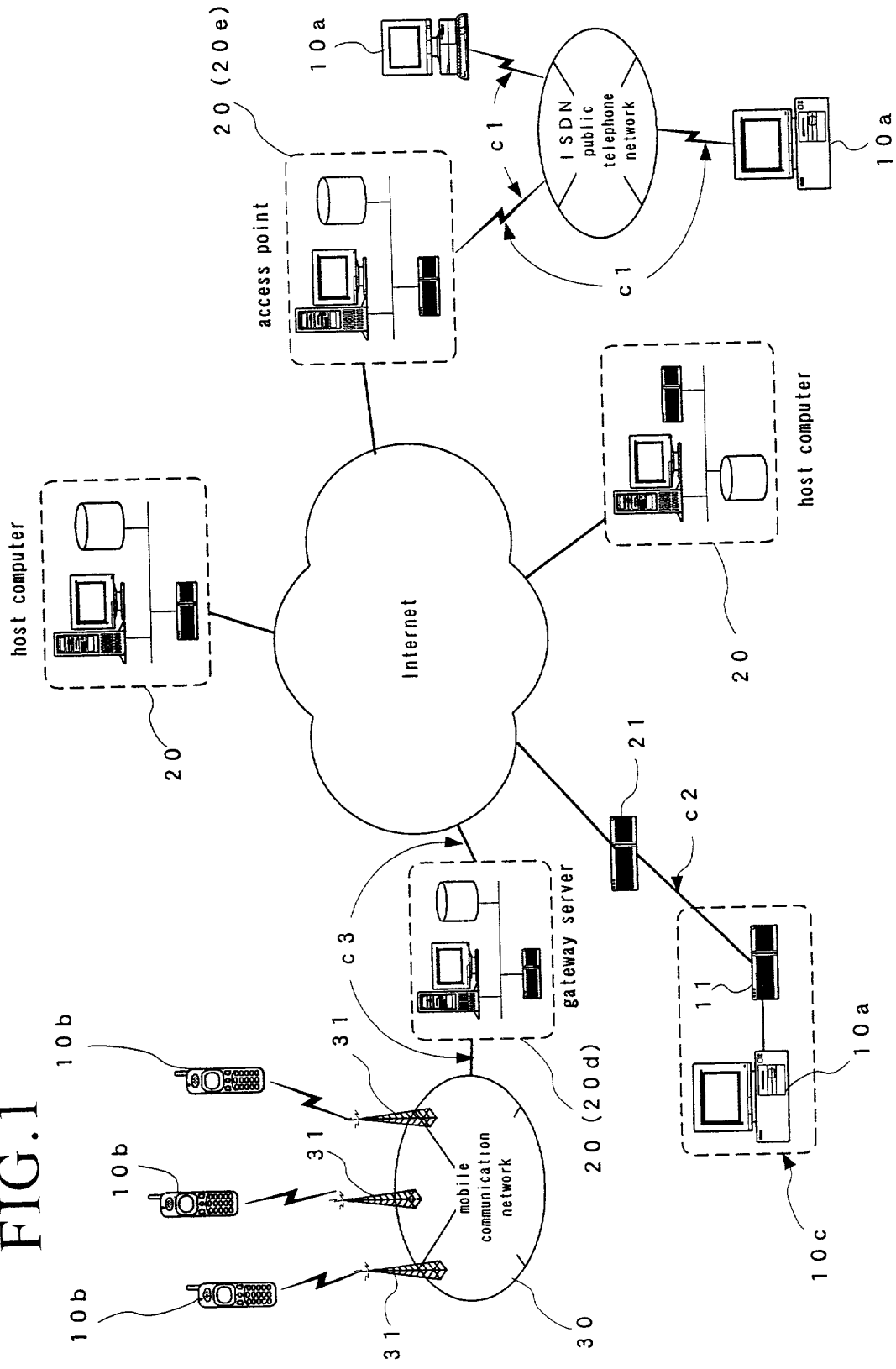


FIG. 2

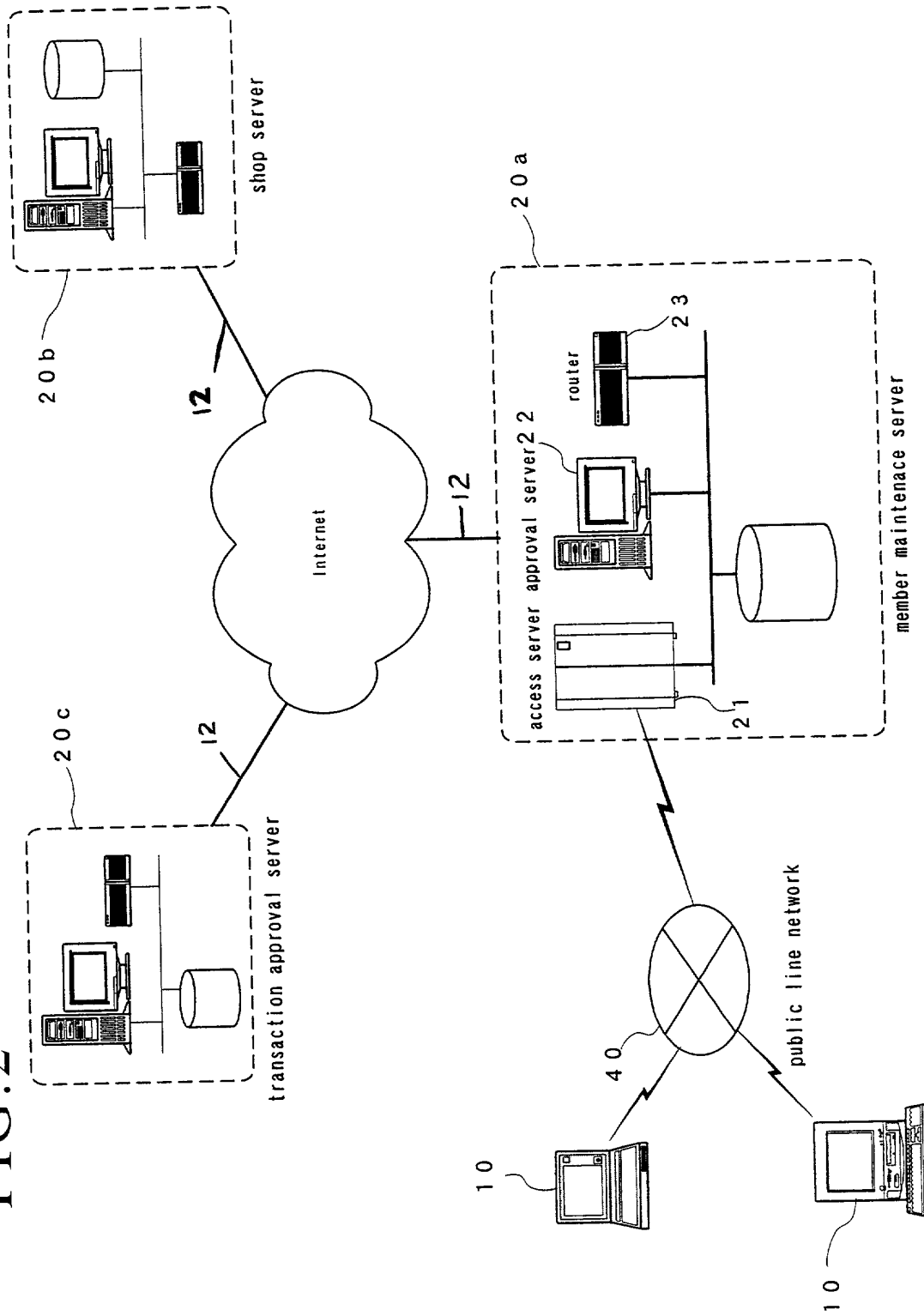


FIG.3(A)

member maintenance server



20 a

(s1)

transaction approval server



(s2)

FIG.3(B)

transaction approval server



20 b

(s4)

shop server



(s3)

FIG.3(C)

procedures	transmission information
s 1	serial number settlement agency registration request message (identification information [ member maintenance server address information name, address, etc. ] ) settlement method (fee, date for payment etc.)
s 2	license key SHOP ID
s 3	serial number shop registration request message (identification information [ shop server address information name, address, etc. ] ) settlement method (transfer account, etc.)
s 4	license key settlement agency ID

FIG.4

member computer



10

member maintenance server

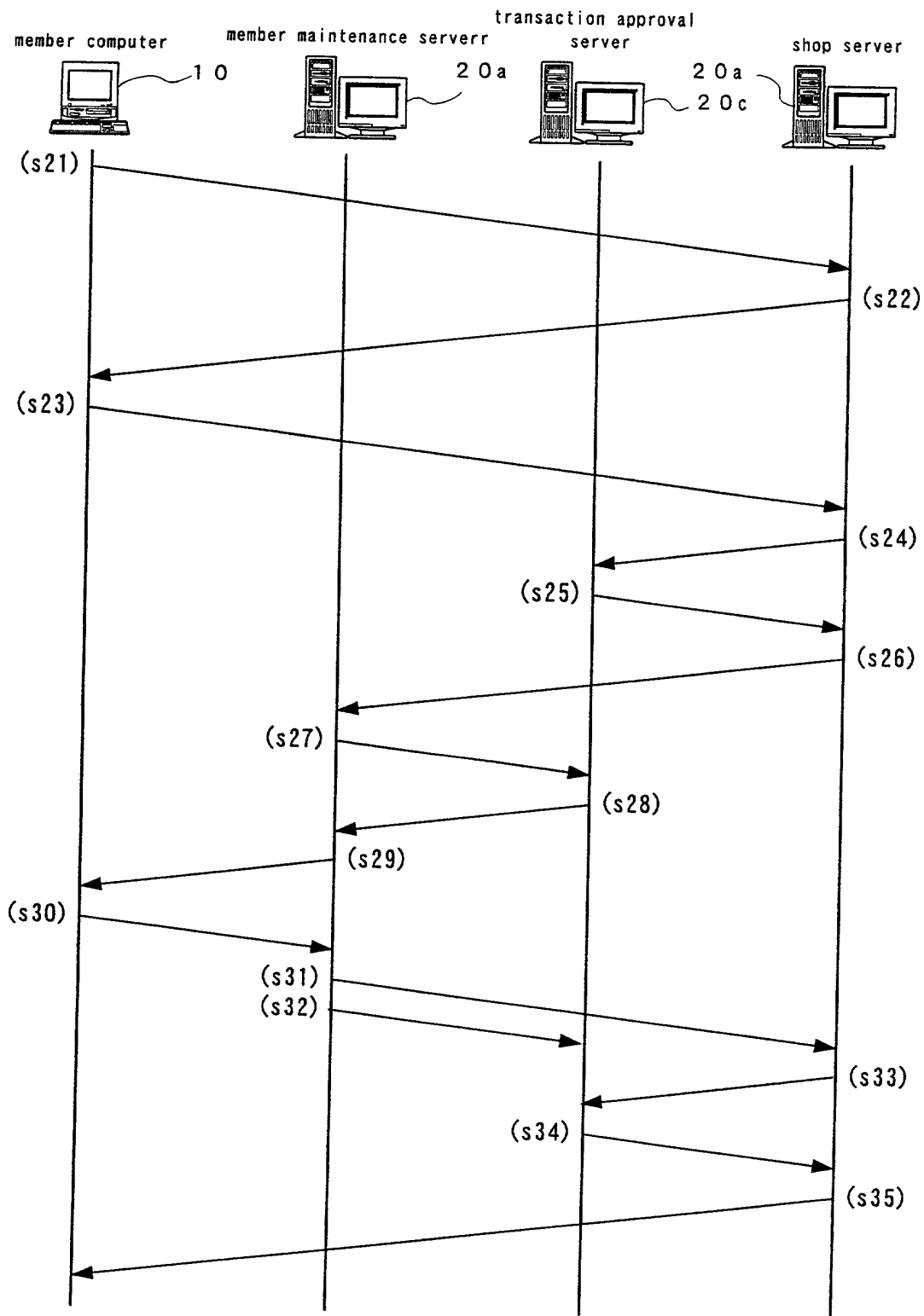


20 a

(s11)

(s12)

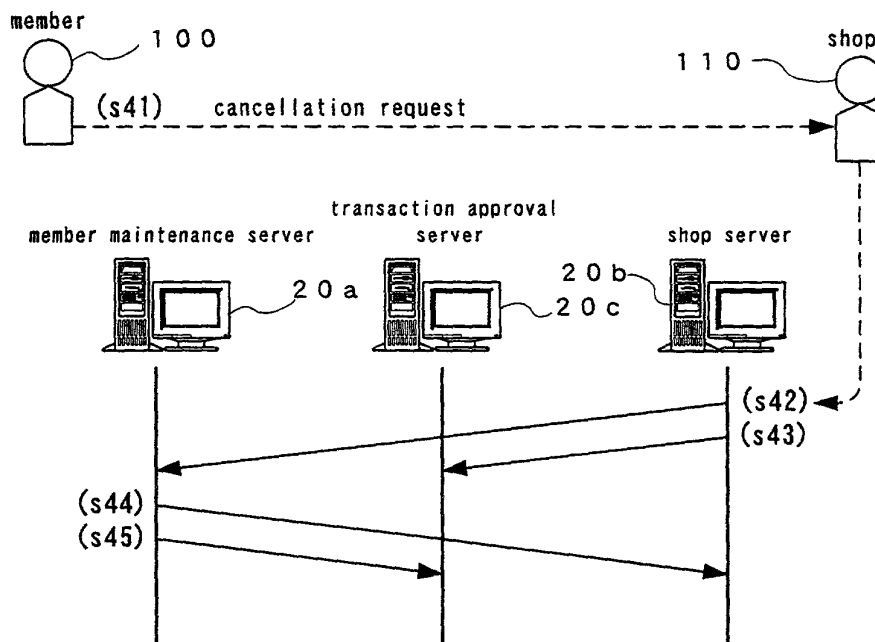
# FIG. 5



# FIG.6

procedures	transmission information
s 2 3	• product purchase event ( I P address, minimal information)
s 2 4	• license key • settlement agency identity search request message ( I P address)
s 2 5	• settlement agency identity guarantee message ( settlement agency's name • address, method of settlement, address information of the member )
s 2 6	• billing substitute request message (shop ID, transaction date, IP address, transaction amount)
s 2 7	• license key • shop identity search request message (shop ID)
s 2 8	• shop identity guarantee message ( shop's name • address, method of settlement, address information of the shop server )
s 2 9	• transaction confirmation notice shop name • address of the shop, transaction date, transaction amount, order number, remainder information
s 3 0	• completion confirmation (approval /rejection of the transaction)
s 3 1	• transaction completion report message ( completion confirmation result, IP address, transaction date, transaction amount, order number)
s 3 2	• license key • transaction completion report message (shop I D, order number, transaction amount)
s 3 3	• license key • transaction verification request message(order number, transaction amount)
s 3 4	• transaction verification message(order number, transaction amount)
s 3 5	• transaction completion notice

# FIG.7(A)



# FIG.7(B)

procedures	transmission information
s 4 2	cancellation request message (shop I D, order number)
s 4 3	license key, cancellation request report message (order number)
s 4 4	cancellation completion result message (cancellation succeeded/failed)
s 4 5	license key cancellation completion report message (shop I D processing result (succeeded/failed) order number)

FIG.8(A)

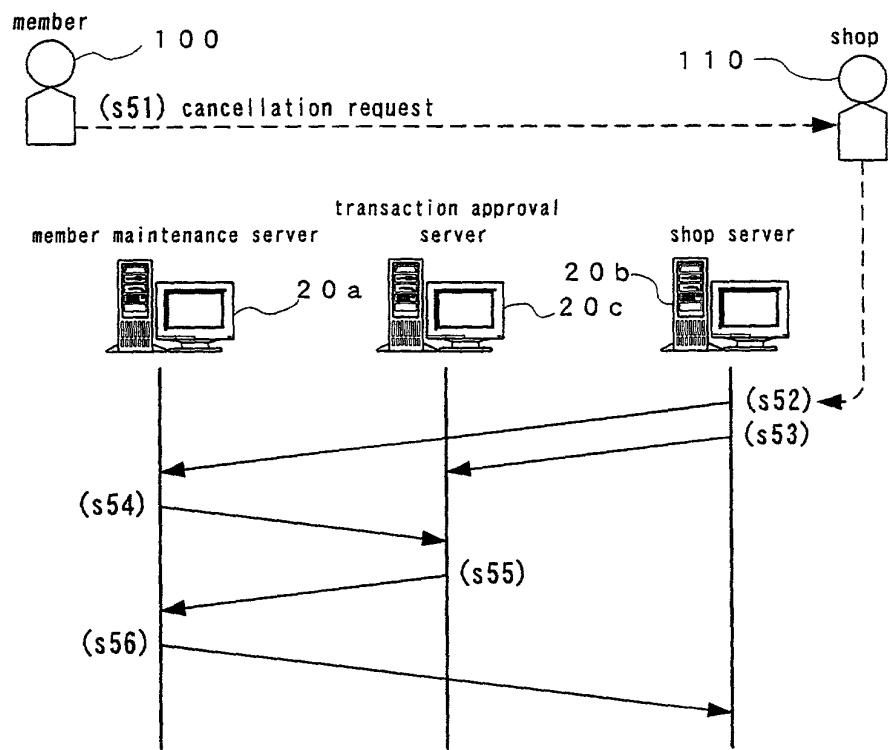
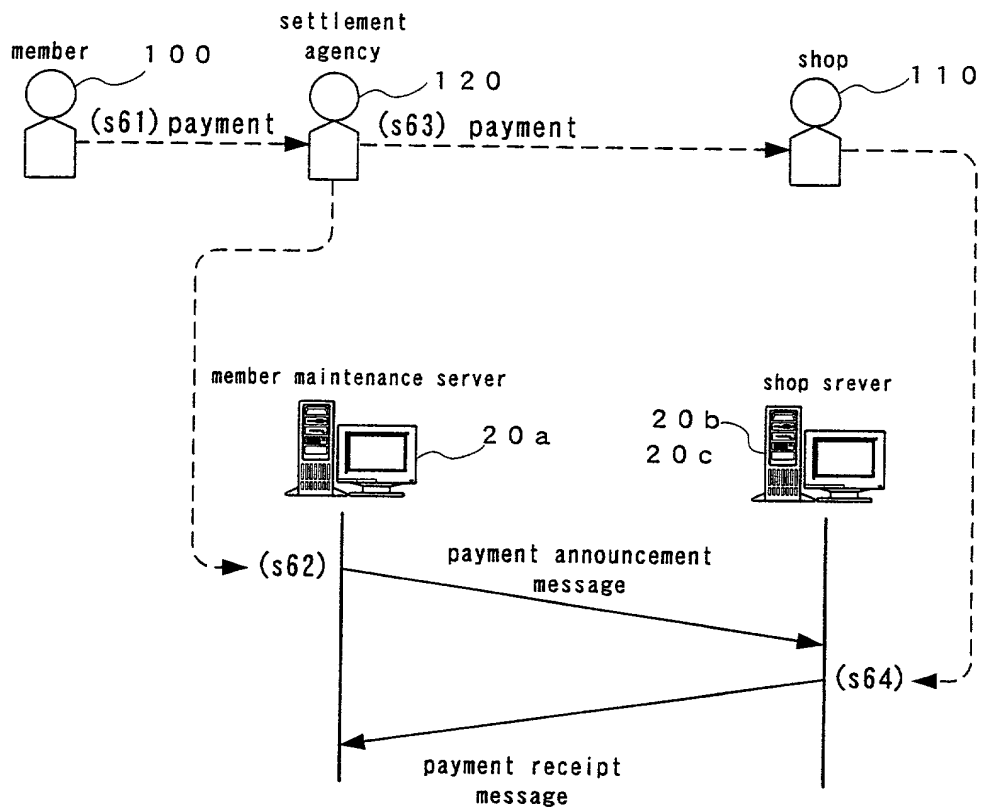


FIG.8(B)

procedures	transmission information
s 5 2	cancellation request message (shop I D, order number)
s 5 3	license key, cancellation request report message (order number)
s 5 4	license key cancellation completion report message ( processing result (succeeded/failed) order number
s 5 5	cancellation verification message ( order number cancelation date cancellation certificate )
s 5 6	cancellation completion report message (processing result (succeeded/failed) order number cancelation date cancellation certificate

# FIG.9(A)



# FIG.9(B)

procedures	transmission information
s 6 2	payment announcement message • settlement agency I D • scheduled date of payment • settlement order number (to specify the applicable payment) • settlement amount (payment amount) • specification of each transaction (order number, transaction amount, collection status of payment (collected / uncollected))
s 6 4	payment receipt message • shop I D • payment receipt date • payment order number (to specify the applicable payment) • payment amount (receipt amount)



FIG.10(A)

FIG.10(B)

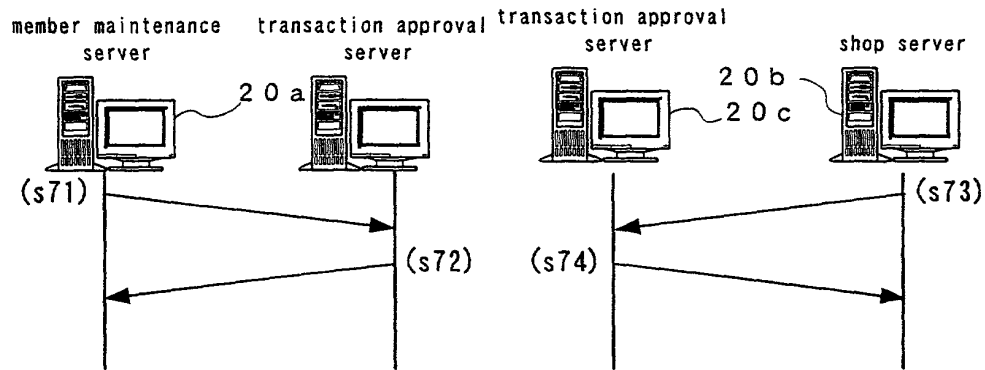


FIG.10(C)

procedures	transmission information
s 7 1	license key.settlement agency information change requ est message (scheduled change date identity information [member maintenance server address information name, address, etc. settlement method (payment date, etc.)                 )
s 7 2	decision result (reservaton change succeeded/failed)
s 7 3	license key shop information change request message (scheduled change date indentity information [shop server address information name, address, etc. settlement method (transfer account, etc.)                 )
s 7 4	decision result (reservaton change succeeded/failed)

FIG.11

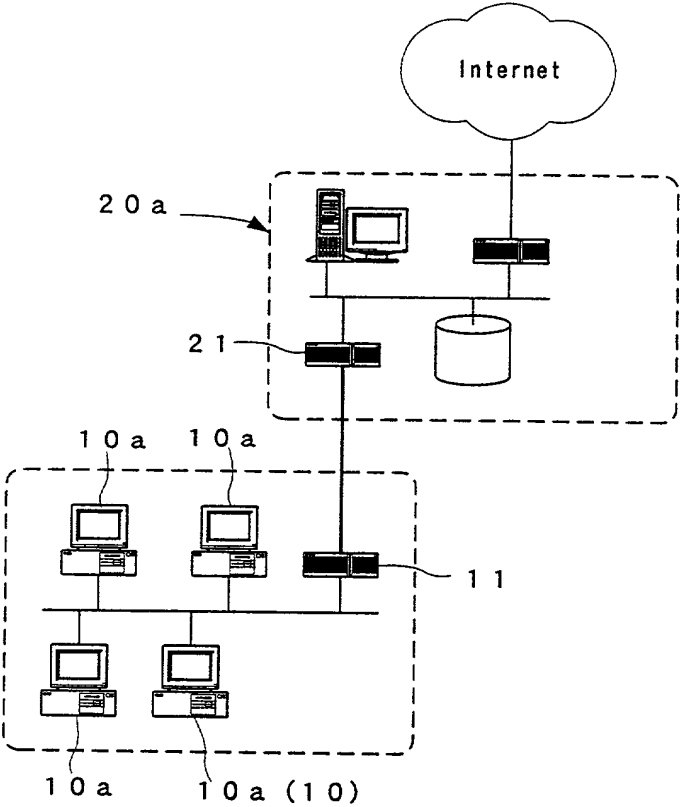


FIG.12

